EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	("20020111459"|"20030232273"|"5558971"). PN.	US-PGPUB; USPAT	OR	OFF	2006/10/05 12:43
S2	6407	POLYHYDROXYSTYRENE$10 OR POLY adj HYDROXYSTYRENE$10 OR POLY adj HYDROXY adj STYRENE$10 OR POLYHYDROXY adj STYRENE$10 OR POLYVINYLPHENOL$10 OR POLYVINYL adj PHENOL$10 OR POLY adj VINYL adj PHENOL$10 OR POLY adj VINYLPHENOL$10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 12:45
S3	902	$adamantyl$ and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 12:47
S4	544	$adamantyl$ and S2 and (acetyl or ketal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 12:47
S5	668	$adamantyl$ and S2 and 430/270.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 13:37
S6	424	$adamantyl$ and S2 and (acetyl or ketal) and 430/270.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 12:48
S7	1586	S2 and 430/270.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 13:37
S8	744	S2 and 430/270.1.ccls. AND (ACETAL OR KETAL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 13:38
S9	249	S2 SAME (ACETAL OR KETAL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 16:03

S10	110	S2 SAME (ACETAL OR KETAL) AND 430/270.1.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 13:40
S11	1586	S2 AND 430/270.1.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 13:40
S12	0	S2 SAME (ACETAL OR KETAL) same naphthyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 16:03
S13	40	S2 and (ACETAL OR KETAL) same naphthyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 16:43
S14	122	S2 and (ACETAL OR KETAL) same adamantyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 16:44
S15	3	S2 same (ACETAL OR KETAL) same adamantyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 16:46
S16	1	S2 same (ACETAL OR KETAL) same norbornyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 16:46
S17	1	S2 same (ACETAL OR KETAL) same norborn$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 17:05
S18	0	S2 same norbornyloxy$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 17:05

S19	192	norbornyloxy$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/05 17:06
S32	1	("6133412").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/06 17:46
S33	0	("$ADAMANT$NEAR10OXY").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/06 17:47
S34	960	ADAMANT$ AND (POLYHYDROXYSTYRENE$10 OR POLY adj HYDROXYSTYRENE$10 OR POLY adj HYDROXY adj STYRENE$10 OR POLYHYDROXY adj STYRENE$10 OR POLYVINYLPHENOL$10 OR POLYVINYL adj PHENOL$10 OR POLY adj VINYL adj PHENOL$10 OR POLY adj VINYLPHENOL$10)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/06 19:25
S35	72	ADAMANT$ SAME (POLYHYDROXYSTYRENE$10 OR POLY adj HYDROXYSTYRENE$10 OR POLY adj HYDROXY adj STYRENE$10 OR POLYHYDROXY adj STYRENE$10 OR POLYVINYLPHENOL$10 OR POLYVINYL adj PHENOL$10 OR POLY adj VINYL adj PHENOL$10 OR POLY adj VINYLPHENOL$10)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/06 19:36
S36	4	("3515552"|"3536489"|"5348838"|"6280897"). PN.	US-PGPUB; USPAT	OR	OFF	2006/10/06 19:36
S37	1	("20020156316").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/08 10:25
S38	1	("20020156316").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/08 10:25

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:49:00 ON 02 JAN 2007

=> file caplus

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE LAST UPDATED: 1 Jan 2007 (20070101/ED)

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=> s jp11002902/pn
L1   1 JP11002902/PN

=> d all

L1   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
AN   1999:23513 CAPLUS <<LOGINID::20070102>>
DN   130:146227
ED   Entered STN: 12 Jan 1999
TI   Radiation-sensitive composition useful as chemically amplified
     positive-working resist
IN   Iwanaga, Shinichiro; Tanabe, Takayoshi; Kobayashi, Eiichi; Ohta, Yoshihisa
PA   JSR Co., Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 13 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
IC   ICM G03F007-039
     ICS G03F007-004; G03F007-033; H01L021-027
CC   74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other
     Reprographic Processes)
     Section cross-reference(s): 38
FAN.CNT 1
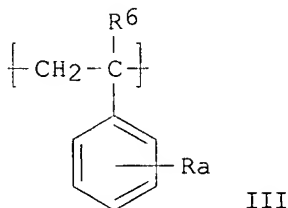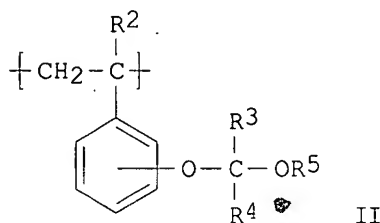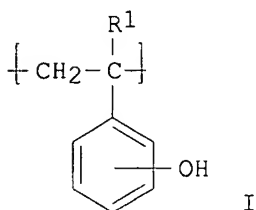   PATENT NO.   KIND DATE   APPLICATION NO.   DATE
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 11002902	ICM	G03F007-039
	ICS	G03F007-004; G03F007-033; H01L021-027
	IPCI	G03F0007-039 [ICM,6]; G03F0007-004 [ICS,6]; G03F0007-033 [ICS,6]; H01L0021-027 [ICS,6]

GI

$$-[CH_2-C(R^1)]-$$ (with phenyl–OH)   I

$$-[CH_2-C(R^2)]-$$ (with phenyl–O–C(R^3)(R^4)–OR^5)   II

$$-[CH_2-C(R^6)]-$$ (with phenyl–Ra)   III

AB   The title composition contains (a) a copolymer having repeating units I and II
     (R1, R2 = H or Me; R3 = H, C1-10 chain alkyl, C3-10 cyclic alkyl, C6-10
     aryl, C7-11 aralkyl; R4, R5 = C1-10 chain alkyl, C1-10 halogenated alkyl,
     C3-10 cyclic alkyl, C6-10 aryl, C7-11 aralkyl, 2 groups of R3-5 may link
     each other to form a 5- to 7-membered ring), (b) another copolymer having
     repeating units I and III (R6 = H or Me; Ra = H or C1-10 alkyl), and (c) a
     radiation-sensitive acid-generator. The composition sensitive toward various
     kinds of radiations shows stable processability and good storage stability
     and provides high resolution patterns with good profile.

ST   radiation resist hydroxystyrene copolymer; acid generator radiation
     sensitive resist

IT   Resists
         (radiation-sensitive; radiation-sensitive resist composition containing
     hydroxystyrene copolymer derivative and acid generator)

IT   13612-83-4   66003-78-9, Triphenylsulfonium trifluoromethanesulfonate
     220006-30-4
     RL: TEM (Technical or engineered material use); USES (Uses)
         (acid generator; radiation-sensitive resist composition containing
     hydroxystyrene copolymer derivative and acid generator)

IT   109-92-2DP, Ethyl vinyl ether, ethers with poly(hydroxystyrene)
     110-87-2DP, ethers with poly(hydroxystyrene)   764-47-6DP, Propyl vinyl
     ether, ethers with poly(hydroxystyrene)   53746-03-5DP,
     p-Acetoxystyrene-styrene copolymer, hydrolyzed   59269-51-1DP,
     Poly(hydroxystyrene), ethers   219690-46-7DP, p-Butoxystyrene-styrene
     copolymer, hydrolyzed
     RL: PNU (Preparation, unclassified); TEM (Technical or engineered material

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use); PREP (Preparation); USES (Uses)
(radiation-sensitive resist composition containing hydroxystyrene copolymer
derivative and acid generator)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.12	6.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

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=> S 219690-46-7/RN

L2   1 219690-46-7/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L2 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.55 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L2   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN   219690-46-7 REGISTRY
CN   Benzene, 1-butoxy-4-ethenyl-, polymer with ethenylbenzene (9CI)   (CA INDEX
     NAME)

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OTHER CA INDEX NAMES:
CN   Benzene, ethenyl-, polymer with 1-butoxy-4-ethenylbenzene (9CI)
OTHER NAMES:
CN   p-Butoxystyrene-styrene copolymer
MF   (C12 H16 O . C8 H8)x
CI   PMS
PCT Polystyrene
SR   CA
LC   STN Files: CA, CAPLUS
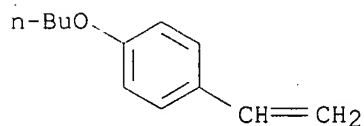DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
       USES (Uses)

       CM   1

       CRN   105337-03-9
       CMF   C12 H16 O

n-BuO

CH═CH2

       CM   2

       CRN   100-42-5
       CMF   C8 H8

H2C⁻⁻CH⁻ Ph

       1 REFERENCES IN FILE CA (1907 TO DATE)
       1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
       1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> d his

       (FILE 'HOME' ENTERED AT 14:49:00 ON 02 JAN 2007)

       FILE 'CAPLUS' ENTERED AT 14:49:12 ON 02 JAN 2007
L1   1 S JP11002902/PN

       FILE 'REGISTRY' ENTERED AT 14:50:20 ON 02 JAN 2007
L2   1 S 219690-46-7/RN

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```
                    SET NOTICE 1 DISPLAY
                    SET NOTICE LOGIN DISPLAY

=> log y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY       SESSION
FULL ESTIMATED COST                               2.40         8.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY       SESSION
CA SUBSCRIBER PRICE                               0.00        -0.78

STN INTERNATIONAL LOGOFF AT 14:50:45 ON 02 JAN 2007
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